APPLICATIONS

Genetics Chemistry Pharmaceutical

DEIONIZATION

SELECTION GUIDE

PORTABLE WATER SYSTEM WITH BUILT-IN RESERVOIR

	Description	Applications	Flow Rate	Unique Features	Water Quality	Page
Superior Analytical Water and Portable!	**EASYpure II RF** Reservoir Feed Ideal for areas where plumbing is not available Ideal for usages of < 15 //Day	High performance liquid chromatography (HPLC) Atomic absorption (AA) Total organic carbon (TOC) Gas chromatography/mass spectrometry (GC/MS) ICP and ICP/MS	0.8 //min	Portable No plumbing required Built-in 6.5 liter feed reservoir TOC less than 5 ppb	Type 1 reagent grade water Resistivity up to 18.2 megohm-cm	344

BASIC REAGENT GRADE WATER SYSTEMS

Our Most Popular System!	**NANOpure® DIamond™, Analytical System, NANOpure DIamond TOC Analytical System** Ideal for your analytical needs.	Atomic absorption (AA) ICP and ICP/MS Ion Chromatography Gas Chromatography/mass spectrometry (GC/MS) High performance liquid chromatography (HPLC)	Pressurized feed (30 psig/min) up to 1.5 //min. Gravity feed up to 1.2 //min	Digital reading of resistivity and conductivity and optional N.I.S.T. calibration module Large capacity individual cartridges Single connection, large capacity cartridge pack	Type 1 reagent grade water Resistivity up to 18.2 megohm-cm TOC less than 4 ppb Bacteria less than 1 CFU/ml	340
Low on Cost... High on Quality!	**E-pure** Low cost reagent grade water	Atomic absorption (AA) ICP and ICP/MS Ion Chromatography	Pressurized feed (30 psig/min) 2.0 //min. Gravity feed 1.5 //min	Inexpensive design Recirculation pump Digital resistivity meter	Type 1 reagent grade water Resistivity up to 18.2 megohm-cm TOC less than 5 ppb	348
Small in Size, High Quality!	**EASYpure II LF** Line Feed Perfect for low volume requirements utilizing direct plumbing	Atomic absorption (AA) ICP and ICP/MS Ion Chromatography	Pressurized feed (30 psig/min) 1.2 //min.	Permanent water connection ideal for analytical procedures	Type 1 reagent water Resistivity up to 18.2 megohm-cm TOC less than 10 ppb	346

ULTRAVIOLET OXIDATION (UV) WATER SYSTEMS

Eliminates Organic Interferences from Your Water!	**NANOpure DIamond UV, NANOpure DIamond TOC UV** Ultraviolet Oxidation water with less than 1ppb TOC ideal for your most stringent organic determinations	Gas chromatography (GC) Gas chromatography/mass spectrometry (GC/MS) High performance liquid chromatography (HPLC) Ion Chromatography Total organic carbon (TOC)	Pressurized feed (30 psig/min) up to 1.5 / / min. Gravity feed up to 2 //min.	The same unique features of the base unit plus: Dual wavelength (185 & 245 nm) ultraviolet lamp oxidizes organics and controls bacterial growth UV lamp change indicator Superior system design TOC readings on TOC models	Type 1 reagent grade water Resistivity up to 18.2 megohm-cm TOC less than 1 ppb Bacteria less than 1 CFU/ml	340
Smaller Amounts of Ultra Pure Water!	**EASYpure® II UV** Ultraviolet Oxidation Produces water meeting the stringent requirements of your most critical organic determinant analysis Ideal for usages of < 15 //Day	Gas chromatography (GC) Gas chromatography/mass spectrometry (GC/MS) High performance liquid chromatography (HPLC) ICP and ICP/MS Ion Chromatography Total organic carbon (TOC)	Pressurized feed (30 psig/min) 1.2 //min.	Dual wavelength (185 and 254 nm) ultraviolet light oxidizes organics and controls bacterial growth	Type 1 reagent grade water Resistivity up to 18.2 megohm-cm TOC less than 2 ppb Bacteria less than 1CFU/ml	344

PRODUCTS

DNA

Cosmetics

SELECTION GUIDE

ULTRAFILTRATION (UF) WATER SYSTEMS

	Description	Applications	Flow Rate	Unique Features	Water Quality	Page
Ideal for Your Life Science Applications!	**NANOpure DIamond UF, NANOpure DIamond TOC UF** Ultrafiltration produces water with < 0.001 EU/ml pyrogens. Ideal for life Science needs	Cell and tissue culture DNA studies Monoclonal antibody production	Pressurized feed (30 psig min) up to 1.5 l/min Gravity feed up to 1.2 l/min	The same unique features as the base unit plus: Automatic intermittent flush Hollow fiber ultrafilter	Type 1 reagent grade water Resistivity up to 18.2 megohm-cm TOC less than 10 ppb Pyrogen level less than 0.001 EU/ml Bacteria less than 1 CFU/ml	342
Lower Cost, Pyrogen Free Water!	**EASYpure II UF** Ultrafiltration The ideal system for your low volume biological requirements including cell and tissue culture	Cell and tissue culture DNA studies Monoclonal antibody production	Pressurized feed (30 psig min) up to 1.2 l/min Gravity feed 500 ml/min	Hollow fiber ultrafilter	Type 1 reagent grade water Resistivity up to 18.2 megohm-cm TOC less than 10 ppb Pyrogen level less than 0.005 EU/ml Bacteria less than 1 CFU/ml	347

ULTRAVIOLET OXIDATION/ULTRAFILTRATION (UV/UF) WATER SYSTEMS

Our Best Water Systems!	**NANOpure DIamond UV/UF, NANOpure DI*amond* TOC UV/UF** Ultraviolet Oxidation and ultrafiltration in a single unit. The only validated RNase, DNase and DNA free water system	Ion free water - AA, ICP ICP/MS Pyrogen free water, tissue culture and cell culture Organic free water, HPLC and GC/MS DNA studies	Pressurized feed (30 psig min) up to 1.5 l/min Gravity feed up to 1.2 l/min	The same unique features of the base unit plus: Automatic intermittent flush Hollow fiber ultrafilter wavelength UV lamp (185 and 254 nm) TOC readings on TOC models	Type 1 reagent grade water Resistivity up to 18.2 megohm-cm TOC less than 2 ppb Pyrogen level less than 0.001 EU/ml RNase, DNase & DNA free Bacteria less than 1 CFU/ml	342
Our Best System and Smaller!	**EASYpure II UV/UF** Ultraviolet Oxidation plus Ultrafiltration Perfect for virtually all pure water requirements along with the UV/UF Infinity, the only validated Nuclease free water system	Ion free water - AA, ICP, ICP/MS Pyrogen free water, tissue culture and cell culture Organic free water HPLC and GC/MS DNA studies	Pressurized feed (30 psig min) up to 1.5 l/min Gravity feed 1.0 l/min	10,000 molecular weight ultrafilter Dual wavelength (185 and 254 nm) ultraviolet lamp	Resistivity up to 18.2 megohm-cm TOC levels less than 3 ppb Pyrogen levels less than 0.005 EU/ml Bacteria less than 1 CFU/ml RNase, DNase & DNA free	347

SINGLE AND DOUBLE CARTRIDGE SYSTEMS AND HOLDERS

Don't need Type 1 Water—B-Pure, Bantam and Hose Nipple Systems are for You!	**B-pure, Bantam, Hose Nipple** When you need moderately pure water	Moderate quality for general lab use between 0.5 and	Dependent on feed water pressure and quality 2.0 l/min	Simple design, low cost source of purified water and configuration	0.05 to 10 megohm-cm depending on cartridge type	349, 352